



Launch Mission Execution Forecast

Mission: Falcon 9 COSMO-SkyMed

Issued: 29 Jan 2022 / 1230L (1730Z)

Valid: 30 Jan 2022 / 1806 – 1817L (2306 – 2317Z)



Forecast Discussion: Continental surface high pressure builds south across the state tonight into tomorrow, yielding dry weather. Windy conditions today will rapidly diminish this evening, then remain light tomorrow into Monday. With atmospheric moisture unseasonably scarce, few clouds are expected.

Launch Day	Probability of Violating Weather Constraints							
	<10%	Primary Concerns: Cumulus Cloud Rule						
	Weather Conditions					Additional Risk Criteria		
	Weather/Visibility:	None / 7 mi.	Type	Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low
	Temp/Humidity:	50°F / 48%	Cumulus	Few	3,000	5,000	Booster Recovery Weather:	Low
Liftoff Winds (200’):		320° 7 - 12 mph				Solar Activity:	Low	
24-Hour Delay	Probability of Violating Weather Constraints							
	<10%	Primary Concerns: Cumulus Cloud Rule						
	Weather Conditions					Additional Risk Criteria		
	Weather/Visibility:	None / 7 mi.	Type	Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low
	Temp/Humidity:	56°F / 59%	Cumulus	Few	3,000	5,500	Booster Recovery Weather:	Low
Liftoff Winds (200’):		040° 7 - 12 mph				Solar Activity:	Low	
Note: The Probability of Violation (POV) is the chance that a Lightning Launch Commit Criteria (LLCC) or certain user constraints (surface winds, precipitation, and temperatures, etc.) will be violated during the launch window. It does not take into account upper-level wind shear, booster recovery weather, and solar activity.								
Next Forecast Will Be Issued		As Required						